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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/895.046	06/29/2001	Peter O. Vale	60001.51USU1	9307
27488 7590 03/01/2007 MERCHANT & GOULD (MICROSOFT) P.O. BOX 2903 MINNEAPOLIS, MN 55402-0903			EXAMINER LESNIEWSKI, VICTOR D	
			ART UNIT 2152	PAPER NUMBER
SHORTENED STATUTORY PERIOD OF RESPONSE			MAIL DATE	DELIVERY MODE
3 MONTHS			03/01/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

# Office Action Summary

Application No.

09/895,046

Applicant(s)

VALE, PETER O.

Examiner

Victor Lesniewski

Art Unit

2152

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 13 December 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-15 and 18-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-15 and 18-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

### **DETAILED ACTION**

1. The amendment filed 12/13/2006 has been placed of record in the file.
2. Claims 1, 5-7, 9, 10, 15, 19, and 20 have been amended.
3. Claims 22 and 23 have been canceled.
4. Claims 1-15 and 18-20 are now pending.
5. The applicant's arguments with respect to claims 1-15 and 18-20 have been considered but are moot in view of the following new grounds of rejection.

### ***Response to Amendment***

6. Claims have been amended to show an iteration to the method where another character is received and the determining of a single word is repeated with the one character and the another character. The amendment proves a change in scope to the independent claims as the independent claims now explicitly state receiving, when it is determined that the one character of text comprises the single word, the another character of text and determining, in response to determining that the one character of text comprises the single word, whether the combination of the one character of text and the another character of text comprises the single word wherein determining whether the combination of the one character of text and the another character of text comprises the single word comprises determining, prior to receiving yet another character of text, that the another character of text comprises the character other than a period, and the like. However, none of the amended claims show a patentable distinction over the prior art as evidenced by the following new grounds of rejection.

***Claim Rejections - 35 USC § 103***

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claims 1-4 and 11-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dickelman (U.S. Patent Number 6,529,187) in view of Belfiore et al. (U.S. Patent Number 6,009,459), hereinafter referred to as Belfiore, further in view of DiAngelo (U.S. Patent Number 5,977,969).

9. Dickelman disclosed a system for navigating the Internet from a keypad equipped wireless phone. In an analogous art, Belfiore disclosed a method for text entry into a browser where the browser attempts to construct a valid URL from the text or applies the text in query form to an Internet search engine. Also in an analogous art, DiAngelo disclosed a special dialog for entry of URLs.

10. Concerning claim 1, Dickelman did not explicitly state determining, prior to receiving another character of text, that the one character of text comprises a character other than a period. However, Belfiore does explicitly disclose this feature as his system checks the text entered by a user to determine whether or not the character or characters include a period. It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to modify the system of Dickelman by adding the ability to determine, prior to receiving another character of text, that the one character of text comprises a character other than a period as provided by

Art Unit: 2152

Belfiore. Here the combination satisfies the need for greater ease in connecting a mobile phone to the Internet. See Dickelman, column 3, lines 6-9.

11. Also concerning claim 1, the combination of Dickelman and Belfiore did not explicitly state reiterating the receiving and determining steps for each character. However, the practice of iteration is common in the computer arts and since the combination of Dickelman and Belfiore teaches the original receiving and determining steps, it would be a clear extension of the system to repeat these steps for multiple characters. Furthermore, DiAngelo clearly shows iteration of URL processing as a user enters characters into a browser dialog. For example, DiAngelo teaches the display of each character as it is entered into the dialog between a static prefix and suffix. For all these reasons it would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to modify the combination of Dickelman and Belfiore by adding the ability to reiterate the receiving and determining steps for each character. Here the combination satisfies the need for greater ease in connecting a mobile phone to the Internet. See Dickelman, column 3, lines 6-9. This rationale also applies to those dependent claims utilizing the same combination.

12. Thereby, the combination of Dickelman, Belfiore, and DiAngelo discloses:

- <Claim 1>

A computer-implemented method for entering an address into a web browser of a mobile device, comprising: receiving one character of text (Dickelman, column 4, lines 26-47); determining whether the one character of text comprises a single word wherein determining whether the one character of text comprises the single word comprises determining, prior to receiving another character of text, that the one character of text

Art Unit: 2152

comprises a character other than a period (Belfiore, column 5, lines 33-37); displaying, when it is determined that the one character of text comprises the single word, a list in the web browser with a list item wherein the list item comprises the one character of text with an automatic prefix added before the one character of text and an automatic suffix added after the one character of text (Dickelman, column 4, lines 45-47 and DiAngelo, column 4, lines 38-43); receiving, when it is determined that the one character of text comprises the single word, the another character of text; and determining, in response to determining that the one character of text comprises the single word, whether the combination of the one character of text and the another character of text comprises the single word wherein determining whether the combination of the one character of text and the another character of text comprises the single word comprises determining, prior to receiving yet another character of text, that the another character of text comprises the character other than a period (where the iteration of the receiving and determining steps is obvious as discussed above).

- <Claim 2>

The method of claim 1 wherein the automatic prefix is “www.” (Dickelman, column 4, lines 45-47).

- <Claim 3>

The method of claim 2 wherein the automatic suffix is “.com” (Dickelman, column 4, lines 45-47).

Art Unit: 2152

- <Claim 4>

The method of claim 1 wherein the mobile device is a wireless telephone (Dickelman, column 3, lines 13-16).

- <Claim 11>

The method of claim 1 wherein the one character of text is received in response to a user selecting keys on a keypad of a wireless telephone (Dickelman, column 3, lines 13-16 and column 4, lines 26-47).

- <Claim 12>

The method of claim 1 wherein the automatic prefix and the automatic suffix may be modified to a desired prefix and a desired suffix (Dickelman, column 5, lines 62-65).

- <Claim 13>

The method of claim 12 wherein the automatic prefix and automatic suffix are modified by receiving input from a user requesting that the automatic prefix be set to a first string and that the automatic suffix be set to a second string (Dickelman, column 5, lines 62-65).

- <Claim 14>

The method of claim 13 wherein the automatic prefix and the automatic suffix are stored in a registry (Dickelman, column 4, lines 45-47).

Since the combination of Dickelman, Belfiore, and DiAngelo discloses all of the above limitations, claims 1-4 and 11-14 are rejected.

Art Unit: 2152

13. Claims 5-10, 15, and 18-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dickelman in view of Belfiore, further in view of DiAngelo, as applied above, further in view of Will (U.S. Patent Number 6,392,640).

14. The combination of Dickelman, Belfiore, and DiAngelo disclosed a system for navigating the Internet from a keypad equipped wireless phone with special features for entering text into a browser. In an analogous art, Will disclosed an interface for keypad entry on a handheld wireless web access device such as a mobile phone.

15. Concerning claim 15, the combination of Dickelman, Belfiore, and DiAngelo did not explicitly state searching a history folder to find matches to the entered characters. However, Will does explicitly disclose this function as his system allows for a memory quick search with real time display. It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to modify the combination of Dickelman, Belfiore, and DiAngelo by adding the ability to search a history folder to find matches to the entered characters as provided by Will. Again the combination satisfies the need for greater ease in connecting a mobile phone to the Internet. See Dickelman, column 3, lines 6-9. This rationale also applies to those dependent claims utilizing the same combination.

16. Thereby, the combination of Dickelman, Belfiore, DiAngelo, and Will discloses:

- <Claim 5>

The method of claim 1 further comprising: determining whether the one character of text matches any previous addresses entered into the web browser (Will, column 6, lines 54-58 and column 7, lines 11-13); and if so, then displaying the possible matches as list items in the list (Will, column 6, lines 26-29).



- <Claim 6>

The method of claim 5 wherein determining whether the one character of text matches any previous addresses entered into the web browser comprises searching the addresses of any previously viewed URLs in the browser's history, cache, or recently entered addresses for potential matches (Will, column 6, lines 54-58 and column 13, lines 54-67).

- <Claim 7>

The method of claim 5 further comprising: determining whether the user is ready to navigate to the URL defined by the one character of text (Dickelman, column 4, lines 55-64); and if so, then navigating the web browser to display a page defined by the one character of text (Dickelman, column 4, lines 55-64).

- <Claim 8>

The method of claim 7 wherein the one character of text is displayed in an address field (Dickelman, column 4, lines 45-54).

- <Claim 9>

The method of claim 7 further comprising: determining whether one of the list items in the list has been selected by the user (Will, column 7, lines 2-3); and if so, then navigating the web browser to display a page located at an address defined by the selected list item (Dickelman, column 4, lines 55-64).

- <Claim 10>

The method of claim 9 further comprising if one of the list items in the list has not been selected by the user, then receiving another character of text (Will, column 7, lines 17-20).

Art Unit: 2152

- <Claim 15>

A computer-implemented method for text entry in an electronic device, the method comprising: receiving one character of text (Dickelman, column 4, lines 26-47); determining whether the one character of text comprises a single word wherein determining whether the one character of text comprises the single word comprises determining, prior to receiving another character of text, that the one character of text comprises a character other than a period (Belfiore, column 5, lines 33-37); when it is determined that the one character of text comprises the single word, then adding a prefix and a suffix to the one character of text to form a combined address and displaying the combined address as an entry in a selection list (Dickelman, column 4, lines 45-47 and DiAngelo, column 4, lines 38-43); when it is determined that the one character of text does not comprise a single word, not adding a prefix and a suffix to the one character of text to form a combined address and not displaying the combined address as an entry in the selection list (Belfiore, column 5, lines 33-37, where Belfiore's system knows not to effectuate further processing of the text entry because it has determined the text entry to be a URL by presence of a period); searching, when it is determined that the one character of text comprises the single word, a history folder in the electronic device to find at least one address with the one character of text (Will, column 6, lines 54-58 and column 7, lines 11-13); displaying, when it is determined that the one character of text comprises the single word, the at least one address in the selection list (Will, column 6, lines 26-29); receiving, when it is determined that the one character of text does not comprise the single word, the another character of text; and determining, when it is

determined that the one character of text does not comprise the single word, whether a combination of the one character of text and the another character of text comprises the single word wherein determining whether the combination of the one character of text and the another character of text comprises the single word comprises determining, prior to receiving yet another character of text, that the another character of text comprises the character other than a period (where the iteration of the receiving and determining steps is obvious as discussed above).

- <Claim 18>

The method of claim 15 wherein the selection list is a selection list in a web browser program module and the combined address and the plurality of addresses comprise URLs for Internet addresses (Dickelman, column 4, lines 55-64 and Will, column 6, lines 26-29).

- <Claim 19>

The method of claim 18 further comprising receiving an input selecting the one character of text and navigating the web browser program module to view a web page located at an address defined by the one character of text (Dickelman, column 4, lines 55-64).

- <Claim 20>

The method of claim 18 further comprising receiving an input selecting the combined address and navigating the web browser program module to view a web page located at the combined address (Dickelman, column 4, lines 55-64).

Since the combination of Dickelman, Belfiore, DiAngelo, and Will discloses all of the above limitations, claims 5-10, 15, and 18-20 are rejected.

*Conclusion*

17. The applicant's amendment necessitated the new grounds of rejection presented in this office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). The applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

18. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Victor Lesniewski whose telephone number is 571-272-3987. The examiner can normally be reached on Monday through Thursday.

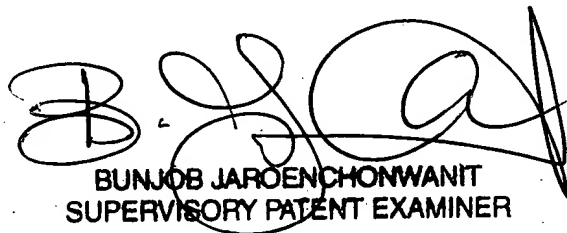
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bunjob Jaroenchonwanit can be reached on 571-272-3913. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2152

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



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